HYOSUNG

OWNER'S MANUAL

GT650/P/S/REi
D spec

WARNING

This owner's manual contains important safety information. Please read it carefully.
BATTERY INITIAL CHARGING

1. BATTERY INITIAL CHARGING
   Initial charging of the battery is required after filling electrolyte to improve the battery durability.

2. BATTERY INSTALLATION
   1. Fill the electrolyte to the battery.
   2. Leave the battery for 30 minutes.
   3. Charge the battery by standard charging. This is necessary for reliability of the battery.
   4. Install the battery to the motorcycle.

* STANDARD CHARGING TIME: 1.2 A for 10 hours

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CAUTION

Do not use the battery without the battery initial charging. Otherwise the battery service life may be shortened.

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WARNING

The GT650/PS/REI use a battery ignition system.

Do not permit to start or operate the motorcycle without the battery otherwise the electrical system will be damaged.

Always start or ride the motorcycle with the correct battery installed and connected.
FOREWORD

THANK YOU for choosing a Hyosung motorcycle. We at Hyosung have designed, tested and produced this motorcycle using the most modern technology available to provide you with much happy, enjoyable, safe riding. Motorcycling is one of the most exhilarating sports and to ensure your riding enjoyment, you should become thoroughly familiar with the information presented in this Owner's Manual before riding the motorcycle.

The proper care and maintenance that your motorcycle requires is outlined in this manual. By following these instructions explicitly you will ensure a long trouble-free operating life for your motorcycle. Your Hyosung dealer has experienced technicians that are trained to provide your machine with the best possible service with the right tools and equipment.

All information, illustrations photographs and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there may be some discrepancies between information in this manual and your motorcycle. Hyosung reserves the right to make changes at any time, without notice and without incurring any obligation to make the same or similar changes to motorcycles previously built or sold.

Please note that this manual applies to all specifications for all respective destinations and explains all equipments. Therefore, your model may have different standard features than shown in this manual.

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IMPORTANT

BREAK-IN INFORMATION FOR YOUR MOTORCYCLE

The first 1,600 km (1,000 miles) are the most important in the life of your motorcycle. Proper break-in operation during this time will help ensure maximum life and performance from your new motorcycle.

Hyosung parts are manufactured of high quality materials, and manufactured parts are finished to close tolerances. Proper break-in operation allows the machined surfaces to polish each other and mate smoothly.

Motorcycle reliability and performance depend on special care and restraint exercise during the break-in period. It is especially important that you avoid operating the engine in a manner which could expose the engine parts to excessive heat.

Please refer to the BREAK-IN section for specific break-in recommendations.

WARNING / CAUTION / NOTE

Please read this manual and follow its instructions carefully.
To emphasize special information the words "WARNING", "CAUTION" and "NOTE" have special meanings.
Information following these signal words should be carefully reviewed.

WARNING

The personal safety of the rider may be involved. Disregarding this information could result in injury to the rider.

CAUTION

These instructions point out special service procedures or precautions that must be followed to avoid damaging the machine.

NOTE

This provides special information to make maintenance easier or important instructions clearer.

! WARNING

Noise Control System (muffler assembly)

TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED

Owners are warned that the law may prohibit:
(a) The removal or rendering inoperative by any person other than for the purpose of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its first sale or delivery to the ultimate purchaser or while it is in use; and
(b) The use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

MAINTENANCE:

The exhaust system of this motorcycle requires no periodic maintenance. The engine should be adjusted to the manufacturer’s specifications and the spark plug should be kept in good condition. Running the engine with incorrectly operating spark plug or misadjusted fuel injection system may cause permanent damage to the catalyst and to the noise control system.
CONSUMER INFORMATION

SAFE RIDING RECOMMENDATION
FOR MOTORCYCLE RIDERS

Motorcycle riding is great fun and an exciting sport. Motorcycle riding also requires caution to take some extra precautions to ensure the safety of the rider and passenger.

These precautions are:

⚠️ WARNING

- Before each use, perform daily inspections with the rider. Specific items to check are listed in the INSPECTION BEFORE RIDING section on page 64 of this owner's manual.
- Make sure the rider wears a helmet, eye protection, and protective clothing (gloves, leather or heavy cloth pants, long-sleeved shirt or jacket, boots).
- Permit use only by two persons. The motorcycle is designed for use only by one rider and one passenger.
- Do not permit anyone to operate the GT650/P/S/REI under the influence of alcohol or other drugs. It may cause damage to the motorcycle and alter handling characteristics.
- Observe periodic maintenance requirements. Your authorized HYOSUNG dealer is trained and equipped to perform this service.
- Before the rider's first use of the GT650/P/S/REI, make sure that he/she is familiar with the location and operation of all controls, and has been instructed in the proper operation of the motorcycle.
- For first use of the GT650/P/S/REI, find a level, open area for the rider to use to become familiar with the operation of controls and the operating and handling characteristics of the motorcycle.
- Do not run the engine indoors or where there is little or no ventilation. Exhaust gases contain carbon monoxide, a potentially lethal gas that is colorless and odorless.
- Never leave the motorcycle running while unattended, even for a short time.
- Do not run the engine indoors or where there is little or no ventilation. Exhaust gases contain carbon monoxide, a potentially lethal gas that is colorless and odorless.
- Never leave the motorcycle running while unattended, even for a short time.

⚠️ WARNING

The GT650/P/S/REI are equipped with the side stand ignition interlock system.
- If the transmission is in neutral or the side stand up, you can only start the engine by squeezing the clutch lever. This side stand ignition interlock system prevents the motorcycle from being started with side stand down.
- Make sure that the side stand ignition interlock system is working properly before riding.

⚠️ CAUTION

The position lamp, meter lamp, tail lamp and license plate lamp on this motorcycle always come on when the ignition switch is turned to the "ON" position.
- The head lamp is always lit when starting the engine.

⚠️ WARNING

Always open the throttle gradually to prevent front wheel lifting. Failure to observe this precaution may result in loss of control and an accident.

⚠️ WARNING

Keep both hands on the handgrips at all times when riding. Removing your hands from the handgrips reduces your ability to control the motorcycle and could result in an accident.

⚠️ WARNING

While operating the GT650/P/S/REI, the rider should keep both feet on the footrests at all times to avoid injuries resulting from accidents. Moving the rider's feet from the footrests reduces the rider's ability to control the motorcycle and could lead to an accident.

⚠️ CAUTION

When storing for long period:
1. Fully fill the fuel tank with fuel.
2. Remove the battery from the motorcycle.

⚠️ WARNING

- The trunk could be heated. Don't keep anything that doesn't endure heat.
- Don't keep the fragile.
- Check if it is locked.
- The unlocking of rear seat could cause serious accident.
- Don't allow water to get inside the trunk or it could damage.
- Don't keep the valuables in the trunk when leaving unattended.
- Loading limit of trunk: 2 kg (4.41 lbs)
• WARNING

Do not turn the ignition switch to its
"OFF" or "LOCK" position or the
engine stop switch to its "key" position
while riding the motorcycle.

• WARNING

Loose clothing can be uncomfortable
and unsafe when riding a motorcycle.
Use good quality motorcycle riding
apparel when riding your motorcycle.

• WARNING

Your riding skill and mechanical know-
ledge from the foundation for safe riding
practices.
We suggest that you practice riding
your motorcycle in a non-traffic situation
until you are thoroughly familiar with
your machine and its controls.
Remember practice makes perfect.

• WARNING

Motorcycle safety equipment starts with
a quality safety helmet. One of the most
serious injuries that can happen is a
head injury. ALWAYS wear a properly
approved helmet. You should also wear
a suitable eye protection.

• WARNING

Review thoroughly the instructions in
the "INSPECTION BEFORE RIDING"
section of this manual. Do not forget to
perform an entire safety inspection to
ensure the safety of the rider and its
passenger.

• WARNING

Ride within the boundaries of your own
skill at all times. Knowing these limits
and staying within them will help you to
avoid accidents.

• WARNING

Riding on bad weather days, especially
wet ones, requires extra caution.
Braking distances double on a rainy
day. Stay off of the painted surface
marks, manhole covers and greasy
appearing areas as they can be espe-
cially slippery.
Use extreme caution at railway cross-
ings and on metal gratings and bridges.
Whenever you have a doubt about road
condition, slow down!
ACCESSORY INSTALLATION AND PRECAUTION SAFETY TIPS

There are a great variety of accessories available to Hyosung owners. Hyosung cannot have direct control over the quality or suitability of accessories you may wish to purchase except genuine parts.

The addition of unsuitable accessories can lead to unsafe operating conditions. It is not possible for Hyosung to test each accessory on the market or combinations of all the available accessories, however, you dealer can assist you in selecting quality accessories and installing them correctly.

Use extreme caution when selecting and installing the accessories for your Hyosung. We have developed some general guidelines which will aid you when deciding whether, and how to equip your motorcycle.

1. In case that additional weight or aerodynamic affecting accessories are installed, they should be mounted as low as possible, as close to the motorcycle and as near the center of gravity as feasible. The mounting brackets and other attachment hardware should be carefully checked to ensure that it provides for a rigid, nonmovable mount. Weak mounts can allow the shifting of the weight and create a dangerous, unstable condition.

2. Inspect for proper ground clearance and bank angle. An improperly mounted load could critically reduce these two safety factors. Also determine that the “load” does not interfere with the operation of the suspension, steering or other control operations.

3. Accessories fitted to the handlebars or the front fork area can create serious stability problems. This extra weight will cause the motorcycle to be less responsive to your steering control. The weight may also cause oscillations in the front end and lead to instability problems. Accessories added to the machine should be as light as possible and kept to a minimum.

4. The motorcycle may be affected by a lifting condition or by an instability in cross winds or when being passed or passing large vehicles. Improperly mounted or poorly designed accessories can result in an unsafe riding condition, therefore caution should be used when selecting and installing all accessories.

5. Certain accessories displace the rider from his or her normal riding position. This limits the freedom of movement of the rider and may limit his or her control ability.

6. Additional electrical accessories may damage the existing electrical system. Severe overloads may damage the wiring harness or create a dangerous situation due to the loss of electrical power during the operation of the motorcycle.

When carrying a load on the motorcycle, mount it as low as possible and as close as possible to the machine. An improperly mounted load can create a high center of gravity which is very dangerous and makes the motorcycle difficult to handle. The size of the “load” can also affect the aerodynamics and handling of the motorcycle.

Balance the load between the left and right side of the motorcycle and fasten it securely.

---

WARNING
Improper accessories or modifications can make your motorcycle unsafe and can lead to an accident.

Never modify the motorcycle with improper or poorly installed accessories. Follow all instructions in this owner’s manual regarding accessories and modifications. Use genuine Hyosung accessories or equivalent designed and tested for your motorcycle. Consult your Hyosung dealer if you have any questions.

MODIFICATION
Modification of the motorcycle, or removal of original equipment may render the vehicle unsafe or illegal. Obey all applicable equipment regulations in your area.
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   - FOOTRESTS
   - SIDE STAND
   - SEAT LOCK
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   - FRONT FORK

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    - FRONT AND REAR SUSPENSIONS
    - REAR-VIEW MIRROR
    - REFLECTOR
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**SERIAL NUMBER LOCATION**

The frame and/or engine serial numbers are used to register the motorcycle. They are also to assist your dealer in terms of ordering parts or referring to special service information.

The frame number is also known as the VIN or Vehicle Identification Number.

Frame number:

Engine number:

---

**FUEL, ENGINE OIL AND ENGINE COOLANT RECOMMENDATION**

**FUEL**

Use unleaded gasoline with an octane rating of 91 or higher. Unleaded gasoline can extend spark plug life and exhaust components life.

**CAUTION**

Spilling gasoline can damage the painted surfaces. Be careful not to spill any fuel when filling the fuel tank. Wipe spilled gasoline up immediately.

**WARNING**

- When refueling, always shut the engine off and turn the ignition key to the “OFF” position. Never refuel near the flames, sparks and heat sources.
- Do not overfill the fuel tank. Do not fill gasoline above the fuel tank entrance lower end.

**ENGINE OIL**

Oil quality is a major contributor to your engine’s performance and life. Always select good quality engine oil.

**ENGINE OIL SPECIFICATION**

<table>
<thead>
<tr>
<th>Classification system</th>
<th>Grade</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>API</td>
<td>Over SL</td>
<td></td>
</tr>
<tr>
<td>SAE</td>
<td>10W40</td>
<td></td>
</tr>
</tbody>
</table>

*If a SAE 10W40 motor oil is not available, select alternative according to the following chart.*

**ENGINE OIL**

Use the chart to select a viscosity rating based on temperature range in your area.

**NOTE**

In very cold weather [below −15°C (5°F)], use SAE 5W30 for good starting and smooth operation.

Using a premium quality four stroke motor oil will increase the service life of your motorcycle.
WARNING

- Don't mix the unrecommended oil. It could damage the engine.
- When refilling the oil, don't allow the dust to get inside.
- Wipe the spilled oil up immediately.

ENGINE COOLANT SOLUTION

Use an engine coolant that is compatible with aluminum radiator, mixed with distilled water only at a 50 : 50 mixture ratio for engine coolant solution.

An engine coolant mixture other than 50 : 50 can affect cooling efficiency or rust inhibiting performance.

WARNING

Engine coolant is harmful or fatal if swallowed or inhaled.

Do not drink anti-freeze or coolant solution. If swallowed, do induce vomiting. Immediately contact a poison control center or a physician. Avoid inhaling mist or hot vapors; if inhaled, remove to fresh air. If coolant gets in eyes, flush eyes with water and seek medical attention. Wash thoroughly after handling. Solution can be poisonous to animals.

Keep out of the reach of children and animals.

CAUTION

Spilled engine coolant can damage painted surfaces.

Do not spill any fluid when filling the radiator. Wipe spilled engine coolant up immediately.

WATER FOR MIXING

Use distilled water only.

Water other than distilled water can corrode and drop the aluminum radiator.

ENGINE COOLANT

The engine coolant performs as rust inhibitor and water pump lubricant as well as anti-freeze.

Therefore the engine coolant should be used at all times even though the atmospheric temperature in your area does not go down to freezing point.

Required amount of water / coolant

<table>
<thead>
<tr>
<th>Solution capacity (total)</th>
<th>1.6 l</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>0.8 l</td>
</tr>
<tr>
<td>Engine coolant</td>
<td>0.8 l</td>
</tr>
</tbody>
</table>

NOTE

This 50% mixture will protect the cooling system from freezing at temperatures above -31°C.

If the motorcycle is to be exposed to temperature below -31°C, this mixing ratio should be increased up to 55% (-40°C) or 60% (-55°C). The mixing ratio should not exceed 60%.

COOLANT RESERVOIR TANK

Refer to 55 page.
NAMES OF EACH PARTS [GT650EJ]

1. Clutch lever
2. Left handle switches
3. Instrument panel
4. Front brake fluid reservoir
5. Right handle switches
6. Front brake lever
7. Throttle grip
8. Ignition switch
9. Fuel tank cap
10. Spark plug (Front)
11. Head lamp & Position lamp
12. Front turn signal lamp
13. Ignition coil (Front)
14. Ignition coil (Rear)
15. Spark plug (Rear)
16. Rear seat lock
17. Fuses
18. Brake / Tail lamp
19. Rear turn signal lamp
20. License plate lamp
21. Passenger footrests
22. Footrests
23. Gearshift lever
24. Side stand
25. Engine oil drain plug

NOTE
“-----” means the invisible parts.
NAMES OF EACH PARTS

1. Clutch lever
2. Left handle switches
3. Instrument panel
4. Front brake fluid reservoir
5. Right handle switches
6. Front brake lever
7. Throttle grip
8. Ignition switch
9. Fuel tank cap

NOTE

“-----” : means the invisible parts.
**NOTE**

"... ..." : means the invisible parts.

---

1. Spark plug (Front)
2. Head lamp & Position lamp
3. Front turn signal lamp
4. Ignition coil (Front)
5. Ignition coil (Rear)
6. Spark plug (Rear)
7. Rear seat lock
8. Fuses
9. Brake / Tail lamp
10. License plate lamp
11. Passenger footrests
12. Footrests
13. Gearshift lever
14. Side stand
15. Engine oil drain plug
16. Muffler
17. Rear carrier
18. Rear seat & Trunk & Tools
19. Front seat
20. ECU (Engine Control Unit)
21. Battery
22. Air cleaner
23. Front brake fluid reservoir
24. Front brake lamp switch
25. Radiator
26. Cooling fan and motor
27. Engine oil filter
28. Water pump
29. Engine oil level lens
30. Engine oil filler plug
31. Rear brake pedal
32. Rear brake lamp switch
33. Coolant reserve tank
34. Rear brake fluid reservoir
NAMES OF EACH PARTS [GT650 SEi]

1. Clutch lever
2. Left handle switches
3. Instrument panel
4. Front brake fluid reservoir
5. Right handle switches
6. Front brake lever
7. Throttle grip
8. Ignition switch
9. Fuel tank cap
10. Spark plug (Front)
11. Front turn signal lamp
12. Head lamp & Position lamp
13. Ignition coil (Front)
14. Ignition coil (Rear)
15. Spark plug (Rear)
16. Rear seat lock
17. Fuses
18. Brake / Tail lamp
19. Rear turn signal lamp
20. License plate lamp
21. Passenger footrests
22. Footrests
23. Gearshift lever
24. Side stand
25. Engine oil drain plug

NOTE

“-----” : means the invisible parts.
Names of Each Parts [GT650REi]

1. Clutch lever
2. Left handle switches
3. Instrument panel
4. Front brake fluid reservoir
5. Right handle switches
6. Front brake lever
7. Throttle grip
8. Ignition switch
9. Fuel tank cap

NOTE

"---" means the invisible parts.
NOTE

"----" : means the invisible parts.

30

NOTE

"----" : means the invisible parts.

31
CONTROLS

IGNITION SWITCH

To lock the steering:

a. Turn the handlebars all the way to the left.
b. Turn the ignition key to the “OFF” position.
c. Push down the ignition key from the “OFF” position, come up again and turn it to the “LOCK” position.
d. Remove the ignition key.

WARNING

Turning the ignition switch to the “OFF” or “LOCK” position while the motorcycle is moving can be hazardous. Moving the motorcycle while the steering is locked can be hazardous. You could lose your balance and fall, or you could drop the motorcycle.

Stop the motorcycle and place it on the side stand if equipped before locking the steering. Never attempt to move the motorcycle when the steering is locked.

NOTE

Start the engine after turning the key to the “ON” position, or the battery will lose power due to consumption by the lamp.

IGNITION KEY

This motorcycle come equipped with two ignition keys. Keep the spare key in a safe place.
**WARNING**

Operating the display while riding can be hazardous. Removing a hand from the handlebars can reduce your ability to control the motorcycle.

Always keep both hands on the handlebars while riding.

---

**CAUTION**

Revving the engine into the red zone of the tachometer can cause severe engine damage. Never allow the engine to rev into the red zone of the tachometer in any gear.

---

**CAUTION**

When the ignition switch is turned to the “ON” position, the meter lamp and display of speedometer will come on.

---

**CAUTION**

To adjust the brightness of speedometer display, push the switch in (in the normal mode) for 0.6 ~ 1 seconds while you want to change.

[Brightness of speedometer display]

- 100%
- 75%
- 50%
- 25%

---

**CAUTION**

When the turn signals are being operated either to the right or to the left, the green indicator will flash at the same time.

---

**CAUTION**

Running the engine with high engine coolant temperature can cause serious engine damage.

If the engine coolant temperature meter comes on the red lamp of “H” mark, stop the engine to let it cool.

---

**NOTE**

- High engine speed, low vehicle speeds, or heavy load can increase engine coolant temperature.
- Decrease engine speed, reduce load and select an appropriate transmission gear to lower the temperature.

---

**CAUTION**

Debris or mud in front of the engine or packed between the radiator fins can reduce cooling ability. Remove any debris or mud preventing air flow to the engine.

---

**CAUTION**

For checking the fuel meter, hold the motorcycle vertically and the ignition switch “ON”.

---

The GT650PIS/REI’s speedometer is LCD (Liquid Crystal Display) type, it indicates the coolant temperature.

The coolant temperature meter displays all 9 segments when the coolant temperature is hot.

- The “H”(Hot) mark indicates the coolant temperature is hot.
- When the coolant temperature is higher than 125°C (257°F), the red lamp of “H”(Hot) mark comes on.
- The “C”(Cool) mark indicates the coolant temperature is cool.

The GT650PIS/REI’s speedometer is LCD (Liquid Crystal Display) type, it indicates the remaining fuel amount in the fuel tank.

The fuel meter displays all 9 segments when the fuel tank is full.

- The “F”(Full) mark indicates the fuel tank is full.
- The “E”(Empty) mark indicates the fuel tank is empty or nearly so.

When the remaining fuel is approximately 3.4 l., the red lamp of “E”(Empty) mark comes on only.

Fill the fuel tank before the red lamp of “E”(Empty) mark came on only.

The fuel tank capacity is 17.0 l.
7 ODOMETER / TRIP METER
The display in it has three functions, odometer and two trip meters.
The display changes odometer or trip meter, as indicated before turning the ignition switch off.

The odometer registers the total distance that the motorcycle has been ridden.

The two trip meters are resettable odometer.
They can register two kinds of distance at the same time. For instance, trip meter A can register the trip distance and trip meter B can register the distance between fuel stops.

To change the display, push the switch ⑩ (in the normal mode) for 0.6 – 1 seconds while the display indicates the odometer, trip meter A or trip meter B you want to change.

To reset the trip meter to zero, push the switch ⑩ (in the normal mode) for 2 seconds while the display indicates trip meter A or B you want to reset.

8 CLOCK
The clock indicates 12-hour mode.
Follow the procedure below to adjust the clock.
1. Push the switch ⑩ (in the normal mode) for 2 seconds until the hour and minutes display blink.
   It is the clock reset mode.
2. Adjust the hour display by pushing the switch ⑩ (in the clock reset mode) for 0.6 – 1 seconds.
3. Adjust the minutes display by pushing the switch ⑩ (in the clock reset mode) for 0.6 – 1 seconds.
4. Push the switch ⑩ (in the clock reset mode) for 2 seconds to resume in the normal mode.

9 SELECT SWITCH
Use this switch to adjust the following:

- In the normal mode

<table>
<thead>
<tr>
<th>Push it for</th>
<th>Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.6 – 1 seconds</td>
<td>To adjust the brightness of speedometer display (100% - 75% - 50% - 25% - 100%)</td>
</tr>
<tr>
<td>2 seconds</td>
<td>Normal mode → Clock reset mode</td>
</tr>
</tbody>
</table>

- In the clock reset mode

<table>
<thead>
<tr>
<th>Push it for</th>
<th>Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.6 – 1 seconds</td>
<td>Increase the minutes of clock</td>
</tr>
<tr>
<td>2 seconds</td>
<td>Clock reset mode → Normal mode</td>
</tr>
</tbody>
</table>

CLOCK ADJUSTMENT

<table>
<thead>
<tr>
<th>Mode</th>
<th>Switch</th>
<th>Push it for</th>
<th>Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>Select(⑩)</td>
<td>2 seconds</td>
<td>Normal mode → Clock reset mode</td>
</tr>
<tr>
<td>Clock reset mode</td>
<td>Reset(⑩)</td>
<td>0.6 – 1 seconds</td>
<td>Increase the hour of clock</td>
</tr>
<tr>
<td></td>
<td>Select(⑩)</td>
<td>0.6 – 1 seconds</td>
<td>Increase the minutes of clock</td>
</tr>
<tr>
<td></td>
<td>Select(⑩)</td>
<td>2 seconds</td>
<td>Clock reset mode → Normal mode</td>
</tr>
</tbody>
</table>
1. **Reset Switch**
   Use this switch to adjust the following:
   
   - **In the normal mode**
     
     | Push it for | Adjustment               |
     |-------------|--------------------------|
     | 0.6 - 1 seconds | Odometer — Trip meter A — Odometer |
     | 2 seconds        | Reset the trip meter to zero, while the display indicates trip meter A or B |
   
   - **In the clock reset mode**
     
     | Push it for | Adjustment               |
     |-------------|--------------------------|
     | 0.6 - 1 seconds | Increase the hour of clock |

2. **Speedometer**

   ![Speedometer](image)

   The speedometer indicates the road speed in kilometers or miles per hour.

   To change the speedometer display:
   1. Turn the ignition switch to the “ON” position.
   2. Pushing the switch (in the normal mode), turn the ignition switch to the “OFF” position and turn to the “ON” position again.
   3. Push the switch (in the normal mode) for 5 seconds continually until the speedometer display change.

3. **“FI” (Fuel Injection) Check Lamp**

   The LCD display panel 1 indicates “FI” letters and speedometer alternately, and the “FI” check lamp 2 comes on and remains lit when the ignition switch is set to “ON” position with the engine stopped as a test of injection system operation.

   As soon as the engine starts, the LCD display panel 1 indicates speedometer continuously and the “FI” check lamp 2 should go out.

   If the fuel injection system fails, the LCD display panel 1 indicates “FI” letters and speedometer alternately, and the “FI” check lamp 2 comes on and remains lit.

   **CAUTION**

   Riding the motorcycle with the LCD display panel indicating a problem with the electric fuel injection system and with the “FI” check lamp lit after starting the engine can damage the engine and transmission.

   Whenever the “FI” check lamp is lit and the LCD display panel indicates “FI” while riding, have your authorized Hyosung dealer or a qualified mechanic inspect the electric fuel injection system as soon as possible.

   **CAUTION**

   If the “FI” check lamp does not come on when the ignition switch is set to “ON” position with the engine stopped or fail to go out after the engine start, contact an authorized Hyosung dealer.

   **WARNING**

   Obey the speed limit and traffic regulation at all times.
LEFT HANDLE SWITCHES

3 DIMMER SWITCH
Change the direction of the head lamp light.
- : The head lamp high beam comes on.
  : The head lamp low beam comes on.

WARNING
Set the dimmer switch when other vehicle is running in front or against.

CAUTION
Use the clutch correctly. Otherwise, the clutch may be worn quickly.

PASS SWITCH
Press the "PASS" switch to operate the head lamp high beam for using when pass. With the ignition switch in the "ON" position, push the "PASS" switch to operate the head lamp high beam.

CAUTION
Do not operate when the dimmer switch position.

HORN SWITCH
Press the switch to operate the horn.

CAUTION
Use the horn switch only in case of needing.

RIGHT HANDLE SWITCHES

WARNING
Apply the brake lightly and with great care on slippery surfaces to avoid skidding.

THROTTLE GRIP
Engine speed is controlled by position of the throttle grip. Turn it toward you to increase engine speed. Turn it away from you to decrease the engine speed.

ENGINE STOP SWITCH
- Position: Use in emergency or when motorcycle has fallen over to stop engine quickly. The ignition circuit is off. The engine cannot start or run.
- Position: The ignition circuit is on and the engine can start and run. Keep in this position for normal engine operation.

WARNING
Avoid turning the throttle grip during braking.

CAUTION
Do not operate the engine stop switch into the "" position while driving at one's pleasure.

HAZARD WARNING SWITCH
- : All four turn signal lamps and indicator lamp will flash simultaneously when the switch is turned on with the ignition switch in "ON" position.
- : The turn signal lamps and indicator lamp go off. Use the hazard warning switch to warn other traffic during emergency parking or when your vehicle could otherwise become a traffic hazard.

CAUTION
Turn off the hazard warning switch promptly after use. If the motorcycle is ridden with the hazard warning switch turned on, it may confuse other drivers. The battery will eventually become depleted if the hazards warning remains on for a period of time without the engine running.
## STARTER SWITCH

Use this switch to operate the starting motor.

With the ignition switch in the “ON” position, the engine stop switch in the “ ” position, and the transmission is in neutral, squeeze the clutch lever and the side stand up and push the starter switch to start the engine.

When the ignition switch is set to “ON” position with the engine stopped, the meter lamp will come on and the needle of the tachometer will turn once to the end as a test of electric system operation.

Push the starter switch after the needle of the tachometer turn back.

### CAUTION

- Release the starter switch immediately after the motorcycle has started.
- Do not engage the starting motor for more than five seconds at a time as it may overheat the wiring harness and starting motor.

If the engine does not start after several attempts, check the fuel supply and ignition system.

(Refer to Page 94)

### WARNING

The [GT650/P/S/REI] are equipped with the side stand ignition interlock system.

If the transmission is in neutral or the side stand up, you can only start the engine by squeezing in the clutch lever.

This side stand ignition interlock system prevents the motorcycle from being started with side stand down.

Make sure that the side stand ignition interlock system is working properly before riding.

### FRONT BRAKE LEVER ADJUSTMENT

The distance between the throttle grip and the front brake lever is adjustable among six positions.

To change the position, push the brake lever forward and turn the adjuster A to the desired position ( ” ” mark of the front brake lever holder).

When changing the brake lever position, always be sure the adjuster stops in the proper position; a projection of the brake lever holder should fit into the depression of the adjuster A.

These motorcycles are delivered from the factory with its adjuster set on position 6.

Position 1 provides the widest distance and position 6 provides narrowest distance.

### WARNING

Never attempt to change the front brake lever position while riding, or you may lose control.

### REAR BRAKE PEDAL

Depressing the rear brake pedal will apply the rear brake.

The brake lamp will be illuminated when the rear brake is operated.

Apply the brake lightly and with great care on slippery surfaces to avoid skidding.
GEARSHIFT LEVER

When shifting from first to 2nd gear or 2nd gear to low, neutral will be automatically skipped.

Reduce the motorcycle speed before down-shifting.
When down-shifting, the engine speed should be increased before the clutch is engaged.
This will prevent unnecessary wear on the drive train components and the rear tire.

CAUTION

When the transmission is in neutral, the green indicator lamp on the instrument panel will be lit.
However, even though the light is illuminated, cautiously release the clutch lever slowly to determine whether the transmission is positively in neutral.

FOOTRESTS

FOOTREST POSITION ADJUSTMENT [FOR "GTS-SE" & "GTS-REI"]

The "GTS-SE" & "GTS-REI" have 3 type of the footrest position, right and left.

To change the position, remove the M8 mounting bolts 1 & 2 and install the bolts to the desired position by using the hexagon spanner 6 mm.

Footrest mounting bolt: 2.2 ~ 3.5 kgf·m (22 ~ 35 N·m)

WARNING

When adjusting the footrest position, the M8 mounting bolts be torqued to the proper specification.
If they are not, the footrest can come off unexpectedly.

GEARSHIFT LINK ROD [FOR "GTS-SE" & "GTS-REI" s OPTIONAL PARTS]

When the footrests in position C, exchange the gearshift link rod for appropriate riding position.

- Position A or B: Install the gearshift link rod 3
- Position C: Install the gearshift link rod 4
NOTE

The gearshift link rod ④ is optional parts.

NOTE

- On or Up
- Off or Down

WARNING

Make sure that the side stand ignition interlock system is working properly before riding.

SIDE STAND

The "GT650R/S/REI" are equipped with the side stand ignition interlock system.

If the transmission is in neutral or the side stand up, you can only start the engine by squeezing the clutch lever.

This side stand ignition interlock system prevents the motorcycle from being started with the side stand down.

SEAT LOCK

The rear seat lock is located the frame cover under the front side of the rear seat.

To remove the rear seat, insert the ignition key into the rear seat lock and turn it clockwise.

To reinstall the rear seat, slide the seat hook into the seat hook retainer and push down firmly until the seat snaps into the locked position.

TRUNK

A small and light article such as maintenance manual or Owner’s manual can be placed under the rear seat.

The tool kit is attached on the back side of the rear seat with a rubber band.

NOTE

Loading limit of trunk: 2 kg (4.41 lbs)

CAUTION

- The trunk could be heated. Don’t keep anything that doesn’t endure heat.
- Don’t keep the fragile.
- Check if it is locked.
- The unlocking of rear seat could cause serious accident.
- Don’t allow water to get inside the trunk or it could damage.
- Don’t keep the valuables in the trunk when leaving unattended.

To remove the front seat, remove the two front seat mounting bolts located the rear side of the front seat.

To reinstall the front seat, slide the seat hook into the seat hook retainer and install the two front seat mounting bolts.